



The Fly-By

A Quarterly Publication of the
Southwest Region
October, 2014



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The Fly-By is published quarterly on the first month of each quarter. Deadline for submissions are:

1Q – 20 December

2Q – 20 March

3Q – 20 June

4Q – 20 September

Text may be submitted in the body of an e-mail (preferred) or as a document attached to an e-mail (a text file or, if generated in a word processor, saved in .RTF format).

Images must be in JPG format, un-retouched, un-cropped, and at least 1200 by 900 pixels.

Credits: In all cases, please give full grade, name and unit of assignment of

1. The article's author,
2. Photographer, and
3. Any person mentioned in the article.

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Send submissions to the Editor at:

awoodgate@austin.rr.com

Message size limit: 20 MB

What I Am Thinking About This Quarter:

SAFETY and MISHAP REPORTING

When you think about safety remember that the safest unit or organization is one in which **ALL** members continuously and as a matter of course recognize the hazards of their operations and automatically adjust their actions to mitigate those risks. In most cases accidents and incidents are human caused and thus can be prevented by analyzing how we humans interact with the surrounding environment.

Safety is maintained when we always operate by using good judgment in assessing potential risks. Remember, "Truly superior aviators use their superior judgment and knowledge to avoid those situations in which they may have to use their superior flying skills." That applies to all we do, not just flying.

Now, about reporting mishaps. We report mishaps so everyone can learn from those incidents and not repeat them in the future. From the facts described in the reports we analyze the incident with regard to the **machine** (aircraft, vehicle, etc.), **man** (person or people involved, healthy, rested, proficiency, and so on), **media** (weather and environment involved), **mission** (personnel properly trained, criticality, within our capabilities), and **management** (briefings, risk analysis, communication, and all aspects of the mission) in an attempt to discover what caused or contributed to the incident.

Once the incident has been investigated and the contributing factors determined we use that information to establish ways to prevent similar incidents from happening in the future – resulting in safer operations throughout our organization.

This is a well-established and proven method for analyzing potential risks, mitigating them, and

developing a safer operating environment. However, the process requires that we do the reporting and analysis in a precise and objective manner without inserting opinions and “guesstimates.”

Therefore I ask that when you are called on to report mishaps you do so describing the facts of the incident (without inserting personal or privileged information such as names, IDs, or other personal information), and not include hearsay information – only facts obtained from interviews of those persons involved.

Include facts describing the five components of man, machine, media, mission, and management describing the “what,” “where,” “when” and “how” of the incident. From that information safety professionals will be able to determine the causal factors which we can then use to improve our safety practices by incorporating preventive processes in our operations.

Frank A. Buethe,
Colonel, CAP 

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Safety is Priority One

Please read the latest issue of The Safety Beacon for timely, seasonal advice at <http://members.gocivilairpatrol.com/safety/>

Have you taken the **Operational Risk Management** Basic, Intermediate and Advanced online courses? Please visit: http://www.capmembers.com/safety/safety_education/

- Safety must be on every CAP member’s mind, at all times.
- Before engaging in any CAP activity, a safety briefing must be conducted.
- Don’t miss the Safety Specialty Track training posted at <http://www.capmembers.com/safety/safety-newsletters-2248/>
- **Safety is our Number One Priority.**

How to Submit News Items for this Newsletter

▪ **Which Articles Are Best?**

Ideally, articles should deal with a wing-wide event, preferably conducted in conjunction or coordinated with another wing (or better yet across regions).

Individual articles dealing with a subject that is of interest to a broad audience qualify as well.

Articles bylined by cadets, especially when the subject is of interest to a broad audience, are also welcome.

▪ **Do I Submit Photos?**

Articles with no photos may not be selected for publication. Do not embed images in a Word document. Instead, send in the original, un-retouched, full-size digital photos as attachments.

▪ **If You Have Article Ideas or Suggestions**

If you have an article in mind but are not sure whether it would be acceptable, you need some guidance in writing it, or you would like to comment on the material published here, please feel free to contact the editor: awoodgate@austin.rr.com. 



Left: Current National Commander Maj. Gen. Joseph R. Vasquez (R) and former National Commander Maj. Gen. Charles Carr, Jr. (L), presented the Maj. Gen. Jeanne Holm Aerospace Education Officer of the Year Award to Lt. Col. Kathy Beauford.

Louisiana Wing's Lt. Col. Beauford Chosen National Aerospace Educator of the Year

by Lt. Col. Kathy Beauford, CAP, Louisiana Wing

LAS VEGAS, Nev. – Lt. Col. Kathy Beauford has won the Civil Air Patrol (CAP) Maj. Gen. Jeanne

Holm Aerospace Education Officer of the Year award, naming her the top aerospace educator in the nation. She has been the Louisiana Wing Director of External Aerospace Education for 26 years. Current National Commander Maj. Gen. Joseph R. Vasquez and former National Commander Maj. Gen. Charles Carr, Jr. presented this prestigious award to Beauford at the Civil Air Patrol National Board and Conference in Las Vegas, Nev.

The award narrative, read during the presentation on Aug. 9, 2014, states:

“Lt Col Beauford may be retired from her career as a teacher, but her passion for aerospace continues to burn. She has been a CAP member for 26 years and is Director of External Aerospace Education and Robotics Project Manager, and an Observer-Scanner-Airborne Photographer. Every year she adds new projects to her aerospace education activities. This year she is consulting with a national Edu-tainment corporation to design and decorate its fixed-base Edu-tainment Center and is using the new Next Generation National Standards to develop curricula for inflatable classrooms of space shuttle, space station, Hubble Space Telescope, and earth sciences submarine. She personally has endowed the Gertrude Beauford Memorial Scholarship to send Louisiana Wing cadets to Space Camp Academy, Aviation Challenge, or Robotics Camp in Huntsville, Alabama. Besides the time she has spent on writing curricula, she has developed various AE brochures and media presentations. Lt Col Beauford’s external AE activities in the past 2 ½ years have reached 7,812 students, teachers and adults at such Louisiana venues as Louisiana Wing Academy in Lafayette, Wing Conference in Alexandria, Highland Road Observatory in Baton Rouge, Laser Interferometry Gravity Observatory in Livingston, Sally Ride Science Festival in Baton Rouge and numerous schools, facilities, conventions and events throughout the state. Promoting CAP at every turn, she has also fashioned 14 standing exhibits and mounted 31 aerospace education posters. As Public Affairs Officer, she has had 76 articles published in newspapers, magazines, and on the Internet in the past 2 ½ years to promote CAP aerospace education and emergency services. She is the co-author of *A Teacher’s Companion to the Space Station: A Multi-disciplinary Resource* which will soon enjoy its third printing thanks to grants from Lockheed Martin Space Systems. Col. Beauford is also a Solar System Ambassador, having been appointed by the NASA Solar System Ambassador Program at the Jet Propulsion Laboratory, a guest lecturer position. She has placed CAP’s name on the Mars Rover “Curiosity,” the MAVEN Mars Orbiting Observatory, and the OSIRIS-REX comet sample return spacecraft, so CAP is literally “Out of This World!” Col Beauford’s motto is “America needs SPACE to GROW!” and “I need my SPACE!”



Top: Solo cadets Guthrie (Ala.) and deAndrade (Conn.) perform the traditional “dunking” for cadet Zortz (Kan.) following his first solo flight. (All photos: Capt. Robin Rowden, CAP)

Southwest Region National Power Flight Academy – Young Aviators Take to the Sky at Eaker Field

by Capt. Robin Rowden, CAP, Oklahoma Wing

DURANT, Okla. – Nineteen young men and women from across the nation gathered at Durant Regional Airport Eaker Field and Southeastern Oklahoma State University to participate in one of Civil Air Patrol’s national power flight academies. The activity, sponsored by the CAP Southwest Region and conducted by Oklahoma Wing offers cadet students the opportunity to learn to fly the Cessna 172 Skyhawk aircraft and to earn their initial solo wings.

Right: Flight instructor Oliver helps cadet Sanders (Ark.) with ground school.

Below: Cadets Uehara (N.M.), Ware (N.Y.), Ash (Okla.), and Britton (N.M.) study as a group.

The academy's learning environment is designed for cadets ages 16 to 20. The low instructor to student ratio (normally one instructor is assigned only two cadets) provides opportunities for personalized mentoring and individual attention. These aspiring young pilots receive twenty hours of ground school and ten hours of hands-on flight training with a certified flight instructor.

During July 6-17, 2014, flight academy cadets were required to adhere to a highly structured training schedule that began at 6 a.m. and concluded at 8 p.m. Many of Civil Air Patrol's flight instructors come from across the country and return year after year. Their job is to train new cadets on the essentials of flying as they progress through the rigorous training schedule conducted over a ten-day period – often in temperatures exceeding 100 degrees Fahrenheit.

Academy staff members work hard to make things as easy as possible on the aspiring new pilots. The students, on the other hand, are extremely motivated and work extra hard to meet the academy's standards.

"We are having fun and learning a lot," said Cadet Sarah Kleppe (Colo.).

"I learn my weaknesses but then work hard to overcome them," said Cadet Patrick Arnold (Okla.).

Staff members and cadet students attending this year's National Powered Flight Academy came from Alabama, Arkansas, Colorado, Connecticut, Kansas, New Mexico, New York, Nevada, Oklahoma and Texas. 🇺🇸





Top: Southwest Region Staff College students take a break from studies at the Museum of Nuclear Science and History.

Southwest Region Staff College Draws Students from Outside Region

by Lt. Col. Beverly A. Vito, CAP, New Mexico Wing

ALBUQUERQUE, N.M. – During July 12-19, 2014, Kirtland Air Force Base was host to Civil Air Patrol's Southwest Region Staff College. This activity drew students and staff from each of the region's six wings: Arizona, Arkansas, Louisiana, New Mexico, Oklahoma and Texas. This year the Southwest Region Staff College also had attendees from four states outside the region: California, Illinois, Nebraska and Nevada, representing three regions.

Although this time no students from New Mexico Wing participated, five senior members from the wing were assigned as staff: Lt. Cols. Smith Clark, Sharon Lane and Beverly Vito, Maj. Mike Lee and Capt. Dale Perry. In addition, New Mexico Wing commander Col. Mark E. Smith served as one of the instructors.

Lt. Col. Heather Muehleisen from Arizona Wing, who had been activity director on 2013, once again served as Region Staff College activity director this year.

Region Staff College is one of the requirements for completing Level IV of the senior member professional development program, and the Southwest Region Staff College – based on its outstanding curriculum and superior instruction – has been recognized as the standard-setter for the nation.

Students were divided into seminars to complete extra assignments given in conjunction with lectures on topics such as Multi-Generational Communications and Motivation, Professional Communications – both written and oral – and Leading and Managing at the Group Level and Above.

At the activity's mid-week point, students and staff were able to relax for the afternoon and enjoy a picnic on the theme of "Dinner and a Movie."

The week-long training culminated in a formal dining-out held at the Kirtland Mountain View Club. 🇺🇸



Texas Wing Cadets "Fly" the T-45 Goshawk Jet

by 1st Lt Randy Ritter, CAP, Texas Wing

CORPUS CHRISTI, Texas – On July 29, 2014, cadets from Texas Wing's Corpus Christi Composite Squadron toured three important areas of NAS Kingsville. This facility trains Naval aviators to fly the T-45 Goshawk jet, that is the first jet aviators fly during their strike training.

The cadets visited the darkened Terminal Radar Approach Control Facility. This area has several personnel who are assigned to monitor different stages of the flights. The room was dark and chilly. Each individual was assigned to a radar, and the cadets could watch the progress of the flights.

Next the cadets visited the control tower. Since there is no elevator, they had to climb many stairs to get to the top. With a panoramic view of the runways, the cadets watched several jets take off and land, while listening to the conversations between the tower and the aircraft. Tower personnel were also available to answer questions.

The last stop for the cadets was a huge room filled with jet simulators. Each cadet had the opportunity to sit in a simulator cockpit and "fly" the Goshawk. There were many crashes and a few landings. Cadet Senior Master Sgt. Andrea Guerrero (right) said, "I was doing great until I hit the rear of the carrier."

The cadets thanked 2nd Lt. Andrew Hardman, a new CAP senior member who is training on the Goshawk himself. He not only set up the tour, but also has been available to speak to the cadets about his experiences as a private, commercial, and Naval aviator. His advice on goal-setting, academic excellence and persistence has proven invaluable to the cadets.

As a result of Lt. Hardman's mentoring, several cadets have expressed interest in becoming military aviators. 🇺🇸



(Photos: 1st Lt. Rosalinda Osborne, CAP)



Top: Lt. Col. Joseph R. Perea, M.D., CAP, at the July 19, 2014 Commanders Call, where he was recognized for his ground-handling video. (Photo: Lt. Col. Jay T. Tourtel, CAP)

New Mexico Wing “Hangar Rash” Video Makes it to National Website

by Lt. Col. Jay T. Tourtel, CAP, New Mexico Wing

ALBUQUERQUE, N.M. – Lt. Col. Joseph R. Perea, M.D., New Mexico Wing’s Director of Safety, may have made history when his “hangar rash” video was added to the Civil Air Patrol’s National website as part of its National Safety curriculum.

Perea has long been a proponent of ways to avoid “hangar rash” – scrapes and dents that occur when towing a plane in or out of its hangar – that can cause damage to the aircraft in the thousands or even tens of thousands of dollars. According to the video, hangar rash occurs when least expected and when everything else seems routine. The solution is to develop a change in ground-handling procedures.

Perea’s solution involves the establishment of a minimum two-person ground-handling crew, with one person in charge (PIC). The PIC conducts an Occupational Risk Safety Briefing , covering how the aircraft is to be moved. The PIC establishes a sterile flight line, similar to the sterile cockpit, where conversation is limited to the task at hand. At any time, any member of the ground-handling crew can yell, “Stop!” upon seeing a hazard that could potentially damage the aircraft.

The ground-handling crew visually inspects all four points of the aircraft, starting at the right wingtip, the horizontal stabilizer (right and left), the vertical stabilizer and finally the left wingtip, returning to the nose of the plane. Only after the ground-handling crew is satisfied that the aircraft is clear of all obstacles will it be considered safe to move the aircraft. To see the video, visit <https://www.caphq.gov/CAP.SafetyBriefingApp.Web/SafetyBriefingOnline.aspx> . The entire procedure takes less than two minutes. 🇺🇸



Top: Cadets get a tour of the Northern Arizona University campus. (All photos: Cadet Maj. Meghan Parsons)

Cadet Activities at the Arizona Wing Conference

by Cadet Maj. Meghan Parsons, CAP, Arizona Wing

FLAGSTAFF, Ariz. – The Civil Air Patrol Arizona Wing Annual Conference was held on Saturday, June 28, 2014. About a dozen cadets were in attendance, many of whom participated in the Cadet Day Program presented by Arizona Wing.

The first component of Cadet Day included a tour of the local Northern Arizona University (NAU) campus, and meeting with Lt. Col. Mark Friend, Commander of the 027 AFROTC Detachment at NAU. "We're very selective and look for the very best," he explained, briefly describing the units' programs and benefits, adding, "We care a lot about academics." Lt. Col. Friend then hosted a short game, showing different aircraft and asking cadets to guess the designation and model.

Cadets were then treated to a tour of the NAU campus, including its physical fitness facilities and dorms. The tour ended at the NAU buffet-style cafeteria for lunch, where cadets relaxed before heading back to the Little America Hotel for the Wing Conference afternoon's event.

The final event of Cadet Day was the Recruiter Meet and Greet, coordinated by Cadet Advisory Council representative Cadet Maj. Jessica Parsons. US Army Sgt. Baker has been a Federal Law Enforcement Officer for 11 years and is currently working towards a Bachelor's

degree in Forensic Science at NAU. "The Army isn't a job," he explained to the cadets. "It's a lifestyle."

USAF Sgt. Flores (right) and US Army Sgt. Baker (below) make their presentations to the CAP cadets.

US Air Force Sgt. Flores has been in the Air Force for 7 years and currently works in Logistics. "The Army and the Air Force have many of the same benefits," she explained. "We're actively looking for recruits interested in Electronics and Mechanics, so it's easy to get into those fields in the Air Force." Both service members were on hand to talk about their military experiences and answer any questions that the cadets had about their branch of service.

"We really appreciate Sgt. Baker and Sgt. Flores coming to speak with us," Cadet Maj. Jessica Parsons commented after the event. "I hope it made the cadets aware of some of the opportunities available in both the Army and the Air Force. Today was really about helping cadets start thinking about their future, either in the military or in the civilian world." 🇺🇸



Neighboring Wings Join New Mexico Wing in Emergency Services Exercise

by Maj. Dave Finley, CAP, New Mexico Wing

FARMINGTON, N.M. – The New Mexico Wing of the Civil Air Patrol (CAP) held a statewide training exercise on Sept. 5-6, 2014. CAP members from three states flew more than 40 sorties on a variety of search-and-rescue, disaster-relief, and homeland-security operations. The exercise involved 14 aircraft, two ground teams, and more than 60 personnel.



New Mexico Wing holds the event, called a Wing Led Exercise (WLE), in the years when the wing does not undergo an Operations Evaluation (OPSEVAL). It was conducted like an OPSEVAL, with a "white team" sending scenario-based taskings and messages to the operations team. For this exercise, the white team consisted of CAP personnel instead of an Air Force team (as would be the case during an OPSEVAL). This year, an Air Force team did attend the WLE as observers.

CAP members from New Mexico, Arizona, and Colorado participated in the exercise. Several CAP aircraft operated from the command post at Four Corners Regional Airport in Farmington, while others operated from their home bases at airports around New Mexico. CAP members also operated a statewide radio network to provide independent communications for command and control.

"This was a very successful event, made possible by the dedication and devotion to duty of the CAP members who participated," said CAP Lt. Col. Scott Zenonian, Incident Commander for the exercise. "It was particularly good to have our CAP colleagues in neighboring states join us, because real-world operations often involve more than one wing. We appreciate their participation."

During the exercise, the team responded to numerous simulated emergency situations. The scenarios included damaging floods, a wildfire, an earthquake, terrorist threats to industrial facilities, missing aircraft, and urgent medical situations. As each scenario arose, the command staff assessed the situation, prioritized the tasks, and assigned crews to respond.

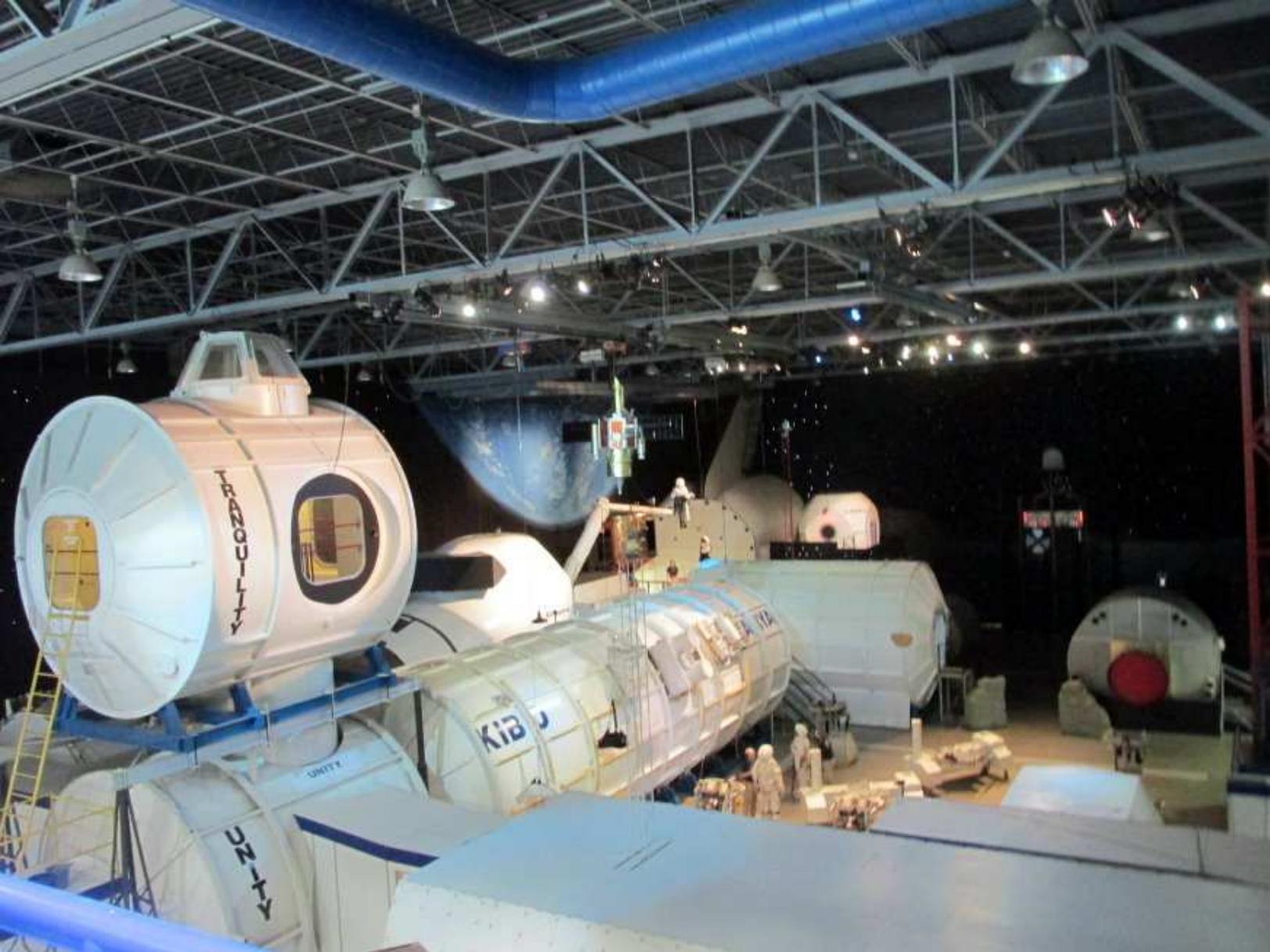
Flight crews successfully located two Emergency Locator Transmitters (ELTs) representing downed aircraft, delivered an urgent shipment of simulated blood plasma, and performed aerial reconnaissance and photography of dams, reservoirs, and other locations. A ground team collaborated with the aircrews in finding one of the ELTs, then successfully located a pair of "lost hikers."

"We completed all our tasks, and the exercise was successful, but now we're looking at our performance to identify areas where we can improve," said Zenonian. He added, "It's important to use these exercises to keep our skills sharp and refine our techniques so we can better serve when lives may be at stake." 🇺🇸

Above: Air Operations Branch Director Sr. Master Sgt. Chuck Grosvenor, CAP, checks his status board.

Right: A corner of the tarmac as the exercise develops.





Above: A few of the realistic spacecraft modules at Space Camp.
Left: Advanced Space Academy educators prepare to exit the spacecraft to repair a solar array.



Louisiana Wing Officer Attends CAP's Advanced Academy for Educators

by Lt. Col. Kathy Beauford, CAP, Louisiana Wing

HUNTSVILLE, Ala. – On July 10-13, 2014, teachers attending the Advanced Space Academy Educators at the U.S. Space & Rocket Center trained on space hardware and ran missions based on real space mission scripts as well as caution and warning systems. Realistic modules of instruction included the space shuttle, space station, moon rocket flight deck, and experiments lab. The teachers donned scuba gear and dove in the 30-foot deep Neutral Buoyancy tank to experience working on space station trusses and experiments in a Zero-G (gravity) simulation. They performed “space walks” to repair solar arrays and satellites. The educators trained



Top: Lt. Col. Kathy Beauford leaps from the “pamper pole,” a confidence-building exercise.

Left: An educator waves through a porthole of the Neutral Buoyancy Simulator Tank.



on real astronaut simulators: the Multi-axis Simulator that mimicked a space capsule spinning out of control, the 1/6 gravity Moon Chair, and “pulled 4 Gs” (in weight, simulating rocket liftoff).

Civil Air Patrol (CAP) aerospace educator Lt. Col. Kathy Beauford demonstrated a replica of Neil Armstrong’s Apollo Moon Suit. Beauford



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illustrated the application of “Lunar Nautics” and “A Field Trip to the Moon,” (both available from NASA Educator Resource Centers in each state), and distributed NASA and CAP aerospace education materials. She presented her *A Teacher’s Companion to the Space Station: A Multi-disciplinary Resource*.

Left: Louisiana Wing’s Director of External Aerospace Education Lt. Col. Kathy Beauford demonstrates her replica of Neil Armstrong’s Apollo Moon Suit.

The educators visited the Davis Museum with its array of historic space vehicles and exhibits that illustrate the history of the space program. They also toured the Rocket Park with its extensive array of rockets from the U.S. Space Program.

Attendees also experienced climbing the 30-foot “Pamper Pole,” while tethered for safety, and making a “leap of faith” while being lowered carefully to the ground by their colleagues. The aerospace educators took home to their respective states (and in this case Australia) their experiences, excitement, materials, and newly-acquired knowledge.

Through their CAP Aerospace Educator Membership, teachers get free STEM (Science, Technology, Engineering, and Math) kits that include educator guides, software and hardware. Available STEM kits include Astronomy (Celestron telescope); Remote Control (RC) (simulators for 60 aircraft, control box, CD, and aircraft with 3-

foot wingspan); Microsoft X Gold Flight Simulator software (yoke, throttles, and foot controls); Robotics (Robot Arm Edge kits); and Model Rocketry (rockets, A8-3 motors, launch pad, controller, curriculum, and video). This represents a \$1,000 value in terms of free kits for the cost of a lifetime fee of \$35.

This is how the program works: The teachers request one kit; when they have finished the kit, they can order another. [See stem@capnhq.gov](mailto:stem@capnhq.gov). CAP’s 30 other national standards-driven free aerospace education offerings include the K-6 Aerospace Connection in Education (ACE) program, Aerospace Dimensions, Aerospace Education Excellence Program (AEX), Satellite Tool Kit (STK), Air Force Association “Introduction to Cyber Security,” and CAP Teacher Educational Remote Sensing (CAP-TERS) Kit.

Also available from CAP are materials on Robotics, Model Rocketry, Advanced Model Rocketry, Advanced Math, Middle School Physical Science, Middle School Earth Science, The Space Station, and Remote Control Airplanes – to name a few. These materials are based on national educational standards. Teachers are also eligible for free orientation rides in CAP’s Cessna 172 or 182 aircraft, and actually get to handle the airplane’s controls under the supervision of a CAP instructor pilot. Teachers can also apply for Air Force Association grants of \$250. 🇺🇸



Top: U.S. Senator Tom Coburn presents the Billy Mitchell Award to Cadet 2nd Lt. James A. Holshouser. (Photos: 2nd Lt. Lee Kuhlman, CAP)

U.S. Sen. Tom Coburn Presents Mitchell Award to 3 Oklahoma Wing Cadets

by 2nd Lt. Lee Kuhlman, CAP, Oklahoma Wing

OKLAHOMA CITY – On Aug. 4, 2014, U.S. Senator Tom Coburn (R-OK) presented the Gen. Billy Mitchell Award to Cadets James A. Holshouser, Jacob R. Kuhlman and Francis S. McHale, all members of the Oklahoma Wing’s Cleveland County Composite Squadron.

Senator Coburn, working out of his Oklahoma City office, made time in his busy schedule to present the Mitchell Award to Cadets Holshouser, Kuhlman and McHale. Coburn, a pilot himself, spoke of his many hours of flying and praised the cadets for their efforts in earning the award. He talked with the cadets about their future plans and what they want to do in the Air Force.

Holshouser, a Civil Air Patrol member since June 2012, plans to join the U.S. Air Force upon graduation from high school. After the ceremony, he said, “Progressing to cadet second lieutenant and this award was very hard. The Mitchell Award is important because I plan to join the Air Force and this will automatically promote me to Airman First Class when I graduate from basic training.”

Kuhlman, a Civil Air Patrol member since July 2012, has applied to the U.S. Air Force Academy and upon admission will enter the aeronautical engineering program. He is seeking to be commissioned as a U.S. Air Force second lieutenant and qualify as a pilot. He said, “I believe the training and leadership skills that I have learned in Civil Air Patrol will help me in my Air Force

career. This Award is important to me because it is one of the key things that the Air Force Academy looks for in an application.”

Left: U.S. Senator Tom Coburn presents the Billy Mitchell Award to Cadet 2nd Lt. Jacob R. Kuhlman.

Below: U.S. Senator Tom Coburn presents the Billy Mitchell Award to Cadet 2nd Lt. Francis S. McHale.

McHale, a Civil Air Patrol member since August 2012, plans to attend Full Sail University pursuing a bachelor's degree in Game Design. He said, "I have worked hard in my time in Civil Air Patrol and feel that the

training and leadership skills that I have learned here will help me for the rest of my life. Earning the Mitchell Award is important to me, because if I choose to enlist in the military, I will automatically be promoted to the rank of E-3.”

The Gen. Billy Mitchell Award – created in 1964 – honors the late Brigadier General Billy Mitchell, an aviation pioneer, advocate and staunch supporter of an independent Air Force for America. The award is earned after completing the first eight achievements of the cadet program. In addition, the cadet must pass an arduous 100-question examination testing leadership theory and aerospace topics. Since its inception, more than 42,000 cadets have earned this honor.

The Gen. Billy Mitchell Award is normally presented by a Civil Air Patrol group commander or higher, the wing director of cadet programs, or a state or federal government official. Earning the Mitchell Award carries automatic promotion to the grade of Cadet 2nd Lieutenant. Cadets who earn this award, should they later enter the CAP Senior Member program, are eligible for immediate promotion to CAP 2nd Lt. at age 21.

Those cadets who earn the Mitchell Award are also eligible for advanced placement in the grade of E-3 (Airman First Class) should they choose to enlist in the U.S. Air Force. They are also eligible for advanced credit in the Air Force ROTC program. Mitchell Award cadets may also apply for a variety of scholarships and CAP special activities. Ten percent of United States Air Force Academy cadets have been members of CAP. 🇺🇸





Top: Maj. Griffyn G. Lane tells how she saved a five-year-old boy from dehydration. (Photo: Lt. Col. Jay T. Tourtel, CAP)

New Mexico Wing Member Saves Young Child from Dehydration

by Lt. Col. Jay T. Tourtel, CAP, New Mexico Wing

ALBUQUERQUE, N.M. – At the July 19, 2014 Commanders Call and Staff Meeting, Maj. Griffyn G. Lane, assistant communications officer for Albuquerque Senior Squadron II, told how her CAP training, situational awareness and experience helped her save a five-year-old boy from dehydration.

Lane, who attends Copper Pointe Church in Albuquerque, was working as a parking volunteer at Balloon Fiesta Park for an event her church was hosting over the Independence Day weekend. A young mother ran up to Lane in distress, her five-year-old boy in tow, begging for help. Her son was in pain and complained of a headache.

Immediately, Lane's CAP training kicked in. She observed that the boy's face and lips were white – the first signs of dehydration and possible heatstroke. She asked the boy's mother how much water he drank. His mother answered that he had only soft drinks.

Assessing the situation, Lane noticed a nearly-full bottle of water in the mother's hand. She asked her to give the water to her son, and escorted them to one of the canopies on the lawn where the boy could cool off and relax. Within 10 minutes, color had returned to his face.

Lane also drew on her own experience to calm down the mother. She explained to her that soft drinks can actually dehydrate the body, and that it is important to drink plenty of water, especially in hot weather.

Lane credits her training with being able to respond calmly to a crisis, and stressed the need for situational awareness.

"People need to pay attention to their children and their loved ones," she said. 🇺🇸



Top: Cadet Tech Sgt. Logan Welch, Cadet Chief Master Sgt. Kailey Bolluyt, and Cadet Senior Master Sgt. Blake Bolluyt stand in front of a vintage T-28. (All photos: Capt. Kelly Castillo, CAP)

Texas Wing Squadron Conducts a Fly-In Fundraiser

by Capt. Kelly Castillo, CAP, Texas Wing

MESQUITE, Texas – On Sept. 20, 2014, members of the Texas Wing's Black Sheep Composite Squadron held a breakfast fundraiser at the Terrell Municipal Airport in Terrell, Texas.

The event, known as Flights of Our Fathers Fly-In, is held annually to salute veterans of all branches of the military as well as recognize the valor of fallen service men and women.



Left: Cadets were hard at work preparing breakfast for the fly-in visitors.

Below: Squadron Commander Capt. Jerry Barron (left) was one of several squadron senior members who helped the cadets with their fundraiser.

Both senior members and cadets of the Black Sheep Composite Squadron arrived before sunrise to set up the equipment, get ready to make pancakes, and prepare other food items for the many customers who would be arriving for the big event.

To kick off the day, the Trinity Valley Young Marines raised the American, British

and Canadian flags, representing the three countries who trained at the Terrell Municipal Airport during World War II. The fly-in was hosted by the nearby No. 1 British Flying Training School Museum.

With a large crowd in attendance, squadron members were hard at work serving breakfast to raise money for their cadet program. Event organizers estimated that 3,000 spectators were in attendance.

“This was my third year to help with the breakfast fundraiser,” said Cadet Tech Sgt. Logan Welsh. “I especially enjoyed getting to meet the people and see a variety of aircraft.”

After a successful fundraising morning, the cadets enjoyed viewing air shows, static displays, a classic automobile show and various other activities.

Flyovers involved a variety of aircraft, including vintage and experimental airplanes. 🇺🇸





Top: Maj. Ben Noyce works in the cockpit of a search aircraft after returning from a flight that searched for a missing plane in northern Arizona.

Below: Senior Member Tom Godman checks equipment after returning from a flight. (Photos: 1st Lt. Ryan Stark, CAP)

New Mexico, Arizona, Colorado and Utah Wings Search for Missing Aircraft

by 1st Lt. Ryan Stark, CAP, New Mexico Wing

KIRTLAND AIR FORCE BASE, N.M. – On June 23, 2014, Civil Air Patrol aircraft and volunteer aircrews located what appeared to be the remains of a downed aircraft just east of Page, Ariz. New Mexico-based crews from Kirtland Air Force Base, Farmington, Los Alamos and Taos joined others from CAP wings in Arizona, Colorado and Utah in the search centered in northeastern Arizona.

Early on Sunday morning, June 22, 2014, New Mexico Wing was tasked to search for a Mooney M20B single-engine aircraft with two persons aboard which was reported as overdue. Cell phone forensics – used to determine the last location at which a signal was received from an individual cell phone – indicated that a phone belonging to the aircraft’s owner was last used in an area near Kayenta, Ariz.

In addition to the CAP aircraft from all four Four Corners states, CAP ground team personnel from the Arizona Wing and a cell phone forensics team from Colorado Wing were sent to the area.

The wreckage located by an Arizona Wing crew was identified by county sheriff’s office officials as the missing aircraft. Based on cell phone signal forensics, the remains of the found aircraft were within a “high-probability area” that the aircrew searched.

The pilot of the missing plane had not filed a flight plan, nor requested radio flight-following services from FAA air traffic controllers. 🇺🇸



The

Right: Col. Brian Ready, Lt. Col. A. Peter Feltz and Col. Frank Buethe.

Below left: Capt. Brian Tucek and Col. Brian Ready.

Bottom right: RC airplane and helicopter on display.

Aerospace Education Symposium at the Arizona Wing Conference

by Lt. Col. A. Peter Feltz, CAP, Arizona Wing



FLAGSTAFF, Ariz. – On June 27-28, 2014, Arizona Wing conducted its Annual Conference at the Little America Resort. Because of the hot temperatures in the Phoenix Area and the mid-80s high in Flagstaff, attendance was larger than expected. Most attendees commented favorably on the cooler temperatures.

As usual, a number of informative and interesting breakout sessions were scheduled, including the Aerospace Education (AE) Symposium. Well over 45 senior members and cadets showed up for the Symposium, making it the largest in attendance over the last few years.

Presenters were rocketry expert Lt. Col. Rich Laherty and experienced radio-controlled (RC) aircraft Capt. Brian Tucek. Using clearly-designed Power Point presentations, they kept their audience informed and motivated.

Currently, Arizona Wing plans to develop a Rocketry Contest on the fiscal year starting Oct. 1, 2014, including some advanced rocketry operations headed by Lt. Col. Laherty. Another initiative is an expansion of the RC Program throughout Arizona Wing under the direction of



Capt. Tucek. Arizona Wing members are looking forward to these programs.

Wing Commander Col. Brian Ready and Region Commander Col. Frank Buethe presented a Teacher of the Year award to Mrs. Amy Bartlett. They also presented the Aerospace Education Officer of the Year Award to Lt. Col. A. Peter Feltz. 🇺🇸





Top: Geocaching - A New Mexico Wing cadet uses a map and GPS locator to pinpoint an objective. (Photos: 1st Lt. Bryan Neal, CAP, New Mexico Wing)

New Mexico, Colorado Squadrons Hold Field Training Exercise

by Cadet Chief Master Sgt. Bailey E. Little, CAP, New Mexico Wing

DURANGO, Colo. – On the long weekend of July 19-21, 2014, eleven cadets and four senior members from New Mexico’s Albuquerque Heights “Spirit” Composite Squadron, along with two cadets and one senior member from Eagle Cadet Squadron, one cadet from Roswell Composite Squadron and the cadets and senior members of Colorado’s Mesa Verde Cadet Squadron, participated in a Field Training Exercise (FTX) and rafting trip. The event was arranged and planned by Maj. Michael S. Anaya-Gorman, the Albuquerque Heights emergency services officer, and Maj. Lloyd J. Voights, the squadron’s deputy commander.

The New Mexico contingent arrived in Durango Saturday afternoon and set up their campsite. Six of the thirteen cadets, wanting to test their emergency services training, requested permission

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to build their own shelters rather than use tents. After being evaluated by the senior staff, all six cadets' shelters were judged to be habitable under field conditions.

After an afternoon hike to start the trip, the New Mexico cadets and senior members returned to the campsite where many cadets experienced two things for the first time: fire watch and MREs (Meals, Ready to Eat). Those who had never had MREs before thought they tasted good, but fire watch was something different. Cadets had to stay awake in two-hour shifts, keep a log, and not let the fire die. For the cadets, the most challenging aspect of fire watch was to keep from falling asleep during their shift.

On Sunday morning, the cadets and senior members changed into civilian clothes for a rafting trip, returned to base, and changed back into their field uniforms for a class on geo-caching led by Maj. Anaya-Gorman. After finding the first cache – an ammo box – the cadets returned to the trailhead for another caching challenge. Using topographical maps and radios, the cadets were instructed to treat the activity as an actual mission, which would test their map-reading and communications skills. Cadets were split into two groups (Group 2 found the cache). The third exercise did not take place due to time constraints. The cadets headed back to the campsite for a hearty dinner and a much-needed lights out.

On Monday morning, the last day of the trip, the New Mexico group met up with their Colorado Wing counterparts from Mesa Verde Cadet Squadron for a tour of the Tri-State Flight Care Facility, where they looked at the aircraft and spoke with the flight crew. Cadets from both wings mingled and compared notes on how things might differ between wings.

The flight crew described where the patients were loaded aboard their helicopter, a Eurocopter ASTAR, what equipment they had, and what an airway crisis might look like. After answering questions from the cadets and senior members, the participants bid each other goodbye, and the New Mexico Wing contingent headed back home. 🇺🇸





Top: Texas Wing's Group III Commander Lt. Col. Tom Bishop presents the Gen. Billy Mitchell Award certificate to Cadet 2nd Lt. Blake E. Bolluyt. (Photo: Capt. Kelly R. Castillo, CAP)

Texas Wing Cadet Earns the Gen. Billy Mitchell Award

by Capt. Kelly R. Castillo, CAP, Texas Wing

MESQUITE, Texas – On Sept. 30, 2014, Texas Wing's Group III Commander Lt. Col. Tom Bishop presented the Civil Air Patrol's Gen. Billy Mitchell Award certificate to Cadet Blake E. Bolluyt, a member of the Black Sheep Composite Squadron. Having earned this award carries with it automatic promotion to the grade of Cadet 2nd Lt.

Cadet Bolluyt successfully completed the first eight achievement levels of the CAP cadet program, and passed a comprehensive 100-question examination on leadership theory and aerospace topics. The award marks the end of the cadet program's enlisted phase.

During the award ceremony, Squadron Commander Capt. Jerry Barron explained the core values of a cadet that include integrity, volunteer service, excellence and respect. Statistically, only 15% of all cadets reach this milestone achievement.

As part of the ceremony, Cadet Bolluyt recited the pledge of a cadet officer by affirming "unit, community and nation before self."

When asked what his most memorable moment had been, Cadet Bolluyt said that helping to assess the EF5 tornado damage in Moore, Okla. in 2013 was what he would remember the most.

"I learned a lot from the opportunities I received while in the Civil Air Patrol," said Cadet Bolluyt.

Cadet Bolluyt is scheduled to enter U.S. Air Force basic training in two months, where he hopes to continue on to pararescue training, a specialty that prepares airmen to rescue pilots whose planes have gone down. 🇺🇸

How the Southwest Region Public Affairs Awards Program Works

Starting with the Jan., 2013 issue of The Fly-By, by directive of Southwest Region Commander Col. Frank A. Buethe, the region will recognize contributions to The Fly-By as follows:

1. A SWR **CAP Achievement Award** for article publication on three different issues of The Fly-By. Multiple articles in the same issue will count as one.
2. A SWR **Commander's Commendation Award** for article publication on an additional six different issues. Multiple articles in the same issue will count as one.

Region will issue the certificate and send it to the winner's unit at the first available opportunity. The award certificate will be presented at the first available opportunity.

How to Make Submissions Suitable for Publication

Since The Fly-By is posted on the SWR website, it is an external communication. Therefore, as required by CAPR 190-1, Sec. 7.b.(7), articles must be written in Associated Press Style. If a submission that is not in AP Style is selected for publication, it will be edited to this standard. (NHQ/PA has been using AP Style for all external communications since 2005.)

AP Style is defined in the Associated Press Stylebook (available at www.ap.org). For a brief summary, please see "Associated Press Style in a Nutshell," overleaf.

"Article" is defined as a narrative that:

- Is written in AP Style;
- Answers the questions Who, What, When, Where, and Why, and preferably also How;
- Has one or more quotes from participants, with attribution;
- Has two or more digital photos attached (not embedded in the text), with appropriate cutlines (photo captions). An article submitted without digital photos that is selected for publication will count as a half-credit. For full credit, it must have accompanying photos.

General advice on writing a good article

- Get all the facts right, stick to the facts, and do not use hearsay or express opinion.
- Take good digital photos.
 - Do not use digital zoom, or else your photos will lack good focus and definition;
 - Take "action shots" of people doing something interesting that is material to the article;
 - Make sure everyone is in the correct uniform and you identify all.
 - **Note:** Good photos are essential to add immediacy and flavor to the story.
- Get good quotes.
 - Ask participants for their opinion;
 - Get full grade, name, position title and unit of assignment for each quote.
 - Get the individual's consent to publish the quote as recorded (read it back).
 - **Note:** Getting quotes is how you get to express opinion, and get your readers to share the experience that you are writing about.
- Write in good, idiomatic, unadorned English.
 - Do not "pad" your sentences, such as saying "due to the fact that" when "because" will do;
 - Avoid trite expressions, such as "it goes without saying" – if it does, don't say it;
 - Avoid colloquial expressions;
 - Do not write in acronyms – always define the first instance, such as "Federal Aviation Administration" before you use FAA;
 - No nicknames – unless famous, such as "Ike" for Pres. Dwight E. Eisenhower. 

Associated Press Style in a Nutshell

Below are the most important rules to keep in mind when writing in AP Style

- Write the title in normal English-language capitalization. Never all in caps.
- Add your byline below the article title
- Do not format the text in the article (only exceptions are: bullet comments and numbered paragraphs in a section that details a process or sequence).
- Do not indent the first line of a paragraph.
- Use AP Style rules for punctuation.
- Single space the article. At the end of each paragraph, execute two end-of lines (Enter key).
- Do not introduce artificial paragraphing by hitting the Enter key at the end of each line in your article. Instead, let the text wrap naturally and tap two Enter keys at the end of the paragraph.
- Use only a single space after a period.
- Insert a dateline at the beginning of the article, following AP Style rules.
- Answer the 5Ws: Who, What, Where, When, Why + the honorary W: How. In writing a CAP article, you will always know the 5Ws.
- Write all dates in AP style.
- Do not use postal codes instead of state abbreviations (not OK but Okla., not NM but N.M.) but some states have no abbreviation, such as Texas.
- Write all military grades in AP Style.
- Write the article in the third person singular.
- Express no opinion.
- To express opinion, use one or more quotes of qualified sources – always get the quoted person’s permission to include the quote, unless it is a matter of record (printed article or recorded audio-visual). Get the quoted person’s grade, name, job title and organization.
- Never self-quote.
- Identify all persons by grade or title, name, job title if material, and organization.
- Never refer to a young person as “kid.”
- When a young person is a CAP cadet, never use “boy,” “girl” or “child” but identify each one by grade, full name (or last name only – never first name only), and unit of assignment.
- Never use “their” for the possessive of a singular subject, such as, “the cadet took their meal.”
- Avoid the abbreviations i.e. and e.g. You may know what each one means, and the Latin words they represent, but most people confuse the two. Be clear. Write in English and leave Latin and non-English to scholars.
- Refer to CAP members by grade, name, duty position and unit of assignment. Never by first name.
- On second or subsequent references, use only the last name, except when there are two persons with the same last name, in which case the use of both first and last name is preferred (never just the first names).
- In the case of CAP or military commanders or higher ranking senior members, on second reference use the grade and last name.
- Do not use Lt. as a grade. Lt. is a mode of address. The correct grade may be 2nd Lt. or 1st Lt., but never Lt. The Navy is the only service that has the grade of Lt.
- Do not use exclamation marks, as doing so expresses opinion.
- Use simple declarative sentences.
- Avoid the passive voice.
- Remember the good rules of English grammar and syntax, and follow them.
- **For best results**, buy the latest copy of the Associated Press Stylebook, available at a modest cost at www.ap.org – read it, study it, know it, and use it. 📖